

CLAIMS

What is Claimed is:

- 1 1. A coated substrate suitable for accepting water-based paints,
2 pencils, and inks, comprising a substrate and a coating on the substrate, wherein
3 the coating is formulated to accept water-based paints, pencils, and inks without
4 unacceptable running or bleeding of the water-based paints, pencils, and inks in
5 and on the coating.
- 1 2. The coated substrate as claimed in Claim 1, wherein the substrate is
2 selected from the group consisting of woven and non-woven materials.
- 1 3. The coated substrate as claimed in Claim 1, wherein the substrate is
2 selected from the group consisting of canvas made from natural and synthetic
3 fibers.
- 1 4. The coated substrate as claimed in Claim 1, wherein the substrate is
2 a flexible canvas selected from the group consisting of cotton and linen canvases.
- 1 5. The coated substrate as claimed in Claim 1, wherein the coating is
2 made from a paint mixture comprising a water-based latex.
- 1 6. The coated substrate as claimed in Claim 5, wherein the paint
2 mixture further comprises filler and water.
- 1 7. The coated substrate as claimed in Claim 6, wherein the paint
2 mixture further comprises pigment dispersant, defoamer, extender and surfactant.
- 1 8. The coated substrate as claimed in Claim 1, wherein the coating is
2 made from a paint mixture comprising from 100-200 parts by weight water-based
3 latex, 0-5 parts by weight pigment dispersant, 0-2 parts by weight defoamer, 75-
4 150 parts by weight pigment and filler, 0-50 parts by weight extender, 0-5 parts by
5 weight surfactant, and 0-50 parts by weight water.
- 1 9. A coated substrate suitable for accepting water-based paints,
2 pencils, and inks, comprising a substrate and a coating on the substrate, wherein
3 the coating is formulated to accept water-based paints, pencils, and inks without
4 unacceptable running or bleeding of the water-based paints, pencils, and inks in
5 and on the coating, wherein the substrate is a flexible canvas selected from the

6 group consisting of cotton and linen canvases and the coating is made from a
7 paint mixture comprising from 100-200 parts by weight water-based latex, 0-5
8 parts by weight pigment dispersant, 0-2 parts by weight defoamer, 75-150 parts
9 by weight pigment and filler, 0-50 parts by weight extender, 0-5 parts by weight
10 surfactant, and 0-50 parts by weight water.

1 10. The coated substrate as claimed in Claim 9, wherein the water-
2 based latex is an acrylic latex.

1 11. The coated substrate as claimed in Claim 10, wherein the pigment
2 and filler is calcium carbonate.

1 12. The coated substrate as claimed in Claim 11, wherein the extender
2 is talc.

1 13. The coated substrate as claimed in Claim 12, wherein the paint
2 mixture comprises from 150 parts by weight water-based latex, 2 parts by weight
3 pigment dispersant, 0.8 parts by weight defoamer, 115 parts by weight calcium
4 carbonate, 20 parts by weight extender, 2 parts by weight surfactant, and 30 parts
5 by weight water.

1 14. A coating for applying to a substrate, the coating being suitable for
2 accepting water-based paints, pencils, and inks, wherein the coating is formulated
3 to accept water-based paints, pencils, and inks without unacceptable running or
4 bleeding of the water-based paints, pencils, and inks in and on the coating.

1 15. The coating as claimed in Claim 14, wherein the coating is made
2 from a paint mixture comprising a water-based latex.

1 16. The coating as claimed in Claim 15, wherein the paint mixture
2 further comprises filler and water.

1 17. The coating as claimed in Claim 16, wherein the paint mixture
2 further comprises pigment dispersant, defoamer, extender and surfactant.

1 18. The coating as claimed in Claim 14, wherein the coating is made
2 from a paint mixture comprising from 100-200 parts by weight water-based latex,
3 0-5 parts by weight pigment dispersant, 0-2 parts by weight defoamer, 75-150
4 parts by weight pigment and filler, 0-50 parts by weight extender, 0-5 parts by
5 weight surfactant, and 0-50 parts by weight water.

1 19. A coating for applying to a substrate, the coating being suitable for

2 accepting water-based paints, pencils, and inks, wherein the coating is formulated
3 to accept water-based paints, pencils, and inks without unacceptable running or
4 bleeding of the water-based paints, pencils, and inks in and on the coating,
5 wherein the coating is made from a paint mixture comprising from 100-200 parts
6 by weight water-based latex, 0-5 parts by weight pigment dispersant, 0-2 parts by
7 weight defoamer, 75-150 parts by weight pigment and filler, 0-50 parts by weight
8 extender, 0-5 parts by weight surfactant, and 0-50 parts by weight water.

1 20. The coated substrate as claimed in Claim 19, wherein the water-
2 based latex is an acrylic latex.

1 21. The coated substrate as claimed in Claim 20, wherein the pigment
2 and filler is calcium carbonate.

1 22. The coated substrate as claimed in Claim 21, wherein the extender
2 is talc.

1 23. The coated substrate as claimed in Claim 22, wherein the paint
2 mixture comprises from 150 parts by weight water-based latex, 2 parts by weight
3 pigment dispersant, 0.8 parts by weight defoamer, 115 parts by weight calcium
4 carbonate, 20 parts by weight extender, 2 parts by weight surfactant, and 30 parts
5 by weight water.